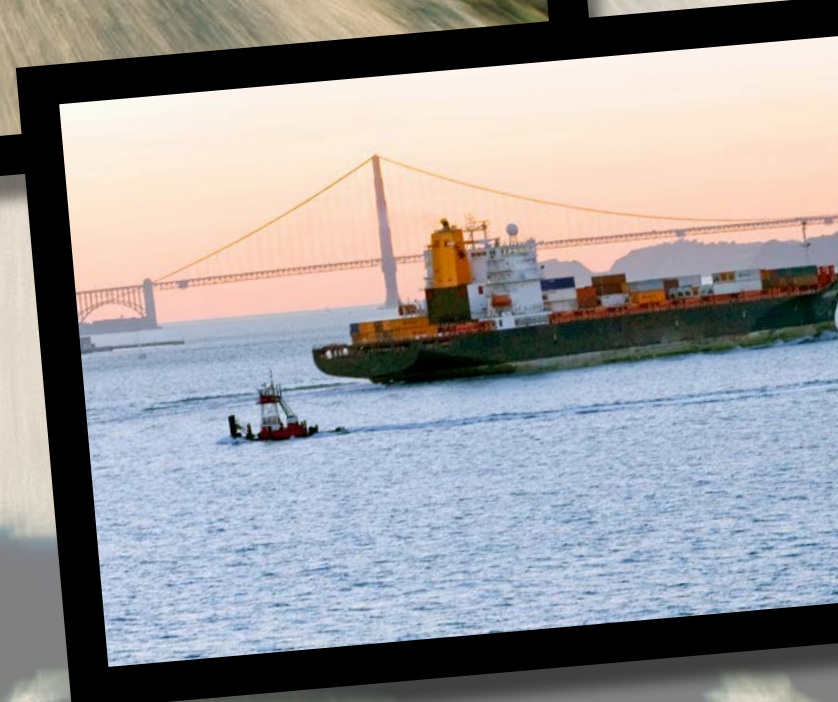
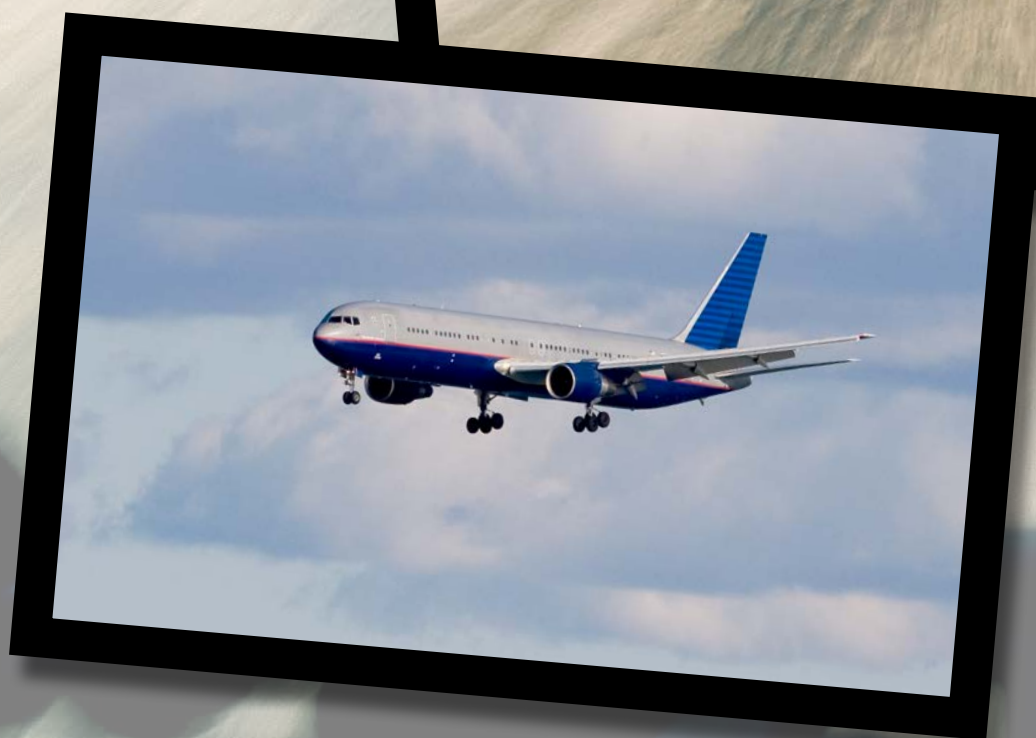


# On the Move Through Time



Written by Ruth Wilson



**California Education and the Environment Initiative**

Approved by the California State Board of Education, 2010

**The Education and the Environment Initiative Curriculum is a cooperative endeavor of the following entities:**

- California Environmental Protection Agency
- California Natural Resources Agency
- California State Board of Education
- California Department of Education
- Department of Resources Recycling and Recovery (CalRecycle)

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California Connections

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# People Going Places

People used the horse and buggy before they had cars.



The first cars did not go very fast.

Cars today can go fast and far.







People have used horses to move around for a very long time.



A bus can carry many people at once.



# People Moving Things

Wagons and carts were first used to carry things.

Stagecoaches carried mail and people.







A covered wagon could carry heavy loads.

Horses pulled wagons to deliver milk.



Dogs were used to pull sleds over frozen ground.





Today, big trucks carry heavy loads.



Farmers use tractors to pull heavy wagons with food they grow.



# People Using Bikes



Some people use bikes for fun.

Some people use bikes for work.





Some bikes are used  
on rough ground.



Some people use bikes to go places  
in the city.



A unicycle has only one wheel.

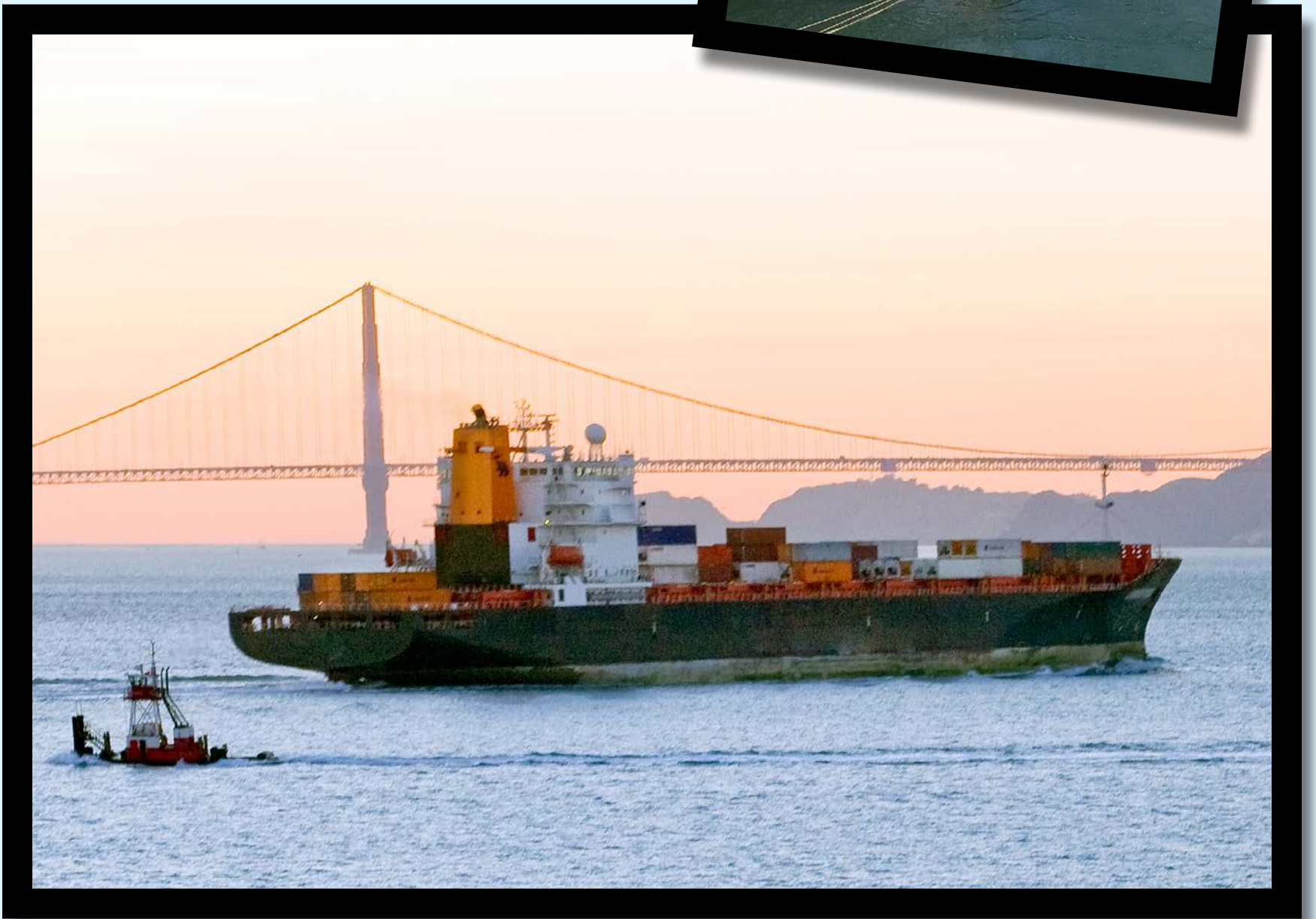


A motorcycle has an engine to help people move around.



# Moving On Water

Rafts move people and goods.



Large ships use big boxes to carry goods.



Some American Indians made canoes from the bark and wood of trees.



Wind is used to move sailboats.



Some people take vacations on cruise ships.





Small boats  
and rafts  
have oars  
that people  
use to help  
them move.



Some boats use paddle  
wheels to help them move.





A motor on a boat makes it go fast.

Flat boats carried the buggies across the water.



Some ferries carry people and cars.



# Moving Through Air

Hot air makes balloons float in air.



An airplane is a flying machine with wings and a motor.



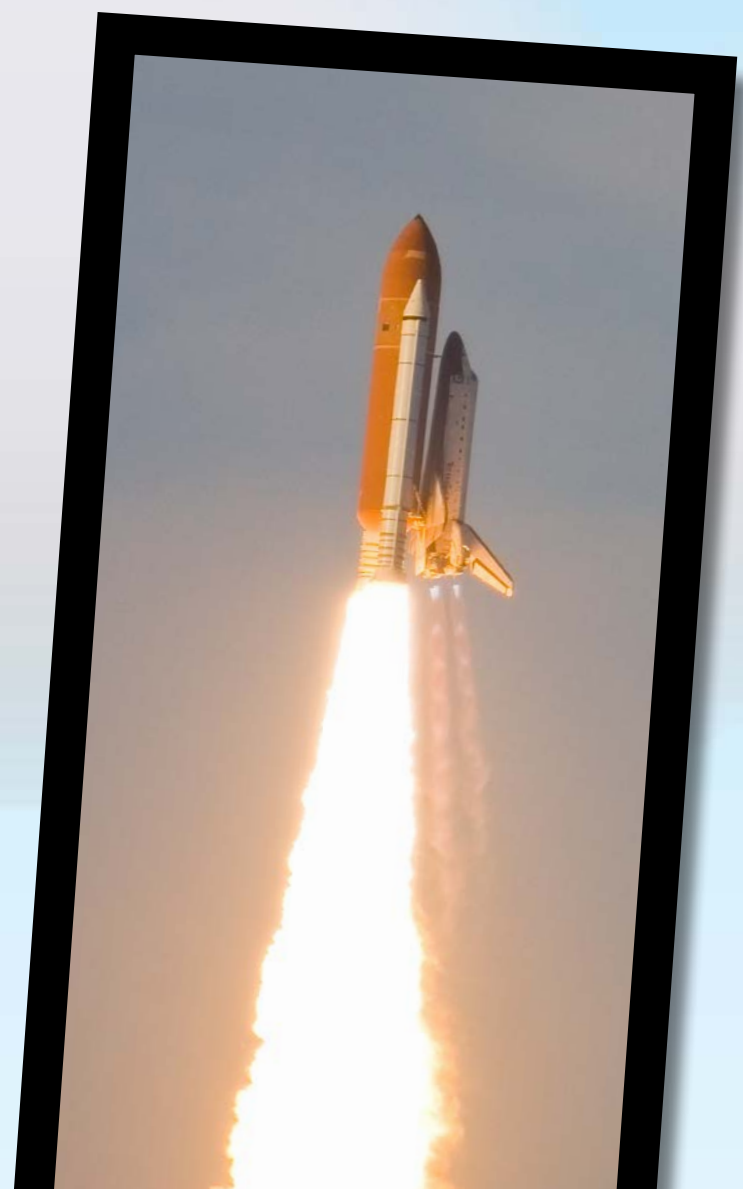
Jet airplanes  
can fly very fast.



A seaplane  
can take off  
and land on  
water.



A space shuttle  
goes from Earth to  
outer space.





# Moving On Rails



Horses pulled the first train cars.

Early trains were called “iron horses.”



Most trains today have engines that use fuel to move.



A subway is a train that moves underground.





Streetcars and trolleys move on rails.



Streetcars today run on electric wires.



# Wheels and Tires

The wheel was invented a very long time ago. People made the first wheels of metal, stone, or wood.

Almost all of the machines we use to move on land have wheels.





Tires cover the wheels. They make a ride safer and more comfortable. Tires were invented many years after the wheel. Many things use tires.



Bicycle tires help make bike rides more comfortable.



The tires on a car help it stay on the road and turn corners.



Big tires on trucks help them carry heavy loads.

Airplanes need tires for take-off and landing.





# What Happens to Old Tires?

People have to put new tires on their cars, bicycles, and trucks when the old tires wear out. They once dumped their old tires in piles. This was not a good idea.





Piles of old tires can be dangerous. They can be a place where mosquitoes hatch. They can also catch on fire. Old tires burn for a very long time.





Today, many tires are recycled.  
Old tires make many things. Old tires  
can be used to make playground  
swings, water hoses, sandals, and  
even new roads.









Unit Title: **On the Move**  
Grade: **1**

**History-Social Science Standard 1.4.2.**  
**Supports ELA Standard: Reading 1.2.6.**

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